

American Funds Insurance Series®

Prospectus
Class 4 shares

May 1, 2023

The U.S. Securities and Exchange Commission has declared that this prospectus is accurate or complete.

CAPITAL G

Global Small Capitalization Fund

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Investment results The following bar chart shows how the investment results of the Class 4 shares of the fund have varied from year to year, and the following table shows how the fund's average annual total returns for various periods compare with a broad measure of securities market results. This information provides some indication of the risks of investing in the fund. Past investment results (before and after taxes) are not predictive of future investment results. Figures shown reflect fees and expenses associated with an investment in the

Cybersecurity breaches – The fund may be subject to operational and information security risks through breaches in cybersecurity. Cybersecurity breaches can result from deliberate attacks or unintentional events, including “ransomware” attacks, the injection of computer viruses or malicious software code, the use of vulnerabilities in code to gain unauthorized access to digital information systems, networks or devices, or external attacks such as denial-of-service attacks on the investment adviser’s or an affiliate’s website that could render the fund’s network services unavailable to intended end-users. These breaches may, among other things, lead to the unauthorized release of confidential information, misuse of the fund’s assets or sensitive information, the disruption of the fund’s operational capacity, the inability of fund shareholders to transact business, or the destruction of the fund’s physical infrastructure, equipment or operating systems. These events could cause the fund to violate applicable privacy and other laws and could subject the fund to reputational damage, additional costs associated with corrective measures and/or financial loss. The fund may also be subject to additional risks if its third-party service providers, such as the fund’s investment adviser, transfer agent, custodian, administrators and other financial intermediaries, experience similar cybersecurity breaches and potential outcomes. Cybersecurity risks may also impact issuers of securities in which the fund invests, which may cause the fund’s investments in such issuers to lose value.

In addition to the principal investment strategies described above, the fund has other investment practices that are described in the statement of additional information, which includes a description of other risks related to the fund’s principal investment strategies and other investment practices. The fund’s investment results will depend on the ability of the fund’s investment adviser to navigate the risks discussed above as well as those described in the statement of additional information.

Fund comparative indexes – The MSCI All Country World Small Cap Index is a free float-adjusted market capitalization-weighted index that is designed to measure equity market results of smaller capitalization companies in both developed and emerging markets. Results reflect dividends net of withholding taxes. This index is unmanaged, and its results include reinvested dividends and/or distributions but do not reflect the effect of sales charges, commissions, account fees, expenses or U.S. federal income taxes.

Portfolio holdings A description of the fund’s policies and procedures regarding disclosure of information about its portfolio holdings is available in the statement of additional information.

Management and organization

Investment adviser Capital Research and Management Company, an experienced investment management organization founded in 1931, serves as the investment adviser to the Series and other funds, including the American Funds. Capital Research and Management Company is a wholly owned subsidiary of The Capital Group Companies, Inc. and is located at 333 South Hope Street, Los Angeles, California 90071. Capital Research and Management Company manages the investment portfolios and business affairs of the Series. The total management fee paid by each fund to its investment adviser for the most recent fiscal year, including any amounts waived, in each case expressed as a percentage of average net assets of that fund, appears in the Annual Fund Operating Expenses table for each fund. Please see the statement of additional information for further details. A discussion regarding the basis for the approval of the Series’ Investment Advisory and Service Agreement by the Series’ board of trustees is contained in the Series’ semi-annual report to shareholders for the fiscal period ended June 30, 2022.

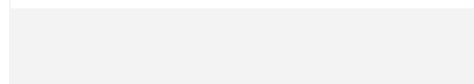
Capital Research and Management Company manages equity assets through three equity investment divisions and fixed income assets through its fixed income investment division, Capital Fixed Income Investors. The three equity investment divisions – Capital International Investors, Capital Research Global Investors and Capital World Investors – make investment decisions independently of one another.

The equity investment divisions may, in the future, be incorporated as wholly owned subsidiaries of Capital Research and Management Company. In that event, Capital Research and Management Company would continue to be the investment adviser, and day-to-day

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The primary individual portfolio managers for each of the funds are:

Portfolio manager for the Series/Title (if applicable)	Primary title with investment adviser (or affiliate) and investment experience	Portfolio manager's role in management of, and experience in, the fund(s)
Donald D. O'Neal Co-President and Trustee	Partner – Capital International Investors Investment professional for 38 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Growth-Income Fund – 18 years
Alan N. Berro Co-President	Partner – Capital World Investors Investment professional for 37 years in total; 32 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Washington Mutual Investors Fund – 6 years Asset Allocation Fund – 23 years



Portfolio manager for the Series/Title (if applicable)	Primary title with investment adviser (or affiliate) and investment experience	Portfolio manager's role in management of, and experience in, the fund(s)
Tom Chow	Partner – Capital Fixed Income Investors Investment professional for 34 years in total; 8 years with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: American High-Income Trust – 8 years
Michael Cohen	Partner – Capital World Investors Investment professional for 32 years in total; 23 years with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Capital World Growth and Income Fund – 5 years International Growth and Income Fund – 1 year

Portfolio manager for the
Series/Title (if applicable)

Primary title with investment adviser (or affiliate)

Portfolio manager for the Series/Title (if applicable)	Primary title with investment adviser (or affiliate) and investment experience	Portfolio manager's role in management of, and experience in, the fund(s)
[REDACTED]	Partner – Capital Fixed Income Investors Investment professional for 28 years, all with Capital Research and Management Company or affiliate	Serves as a fixed income portfolio manager for: New World Fund – 3 years (plus 9 years of prior experience as an investment analyst for the fund)
Eric H. Stern	Partner – Capital International Investors Investment professional for 26 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: Washington Mutual Investors Fund – 2 years
Andrew B. Suzman	Partner – Capital World Investors Investment professional for 30 years, all with Capital Research and Management Company or affiliate	Serves as an equity portfolio manager for: International Growth and Income Fund – 1 year
[REDACTED]	Partner – Capital World Investors Investment professional for 25 years in total; 19 years with Capital Research and Management Company or affiliate	[REDACTED]
Lisa Thompson	Partner – Capital International Investors	[REDACTED]

Purchases and redemptions of shares Shares of the Series are currently offered only to insurance company separate accounts as well as so-called "feeder funds" under master-feeder arrangements sponsored by insurance companies as underlying investments for such insurance companies' variable annuity contracts and variable life insurance policies. All such shares may be purchased or redeemed by the insurance company separate accounts (or feeder funds) at net asset value without any sales or redemption charges. These purchases and

Frequent trading of fund shares The Series and American Funds Distributors, Inc., the Series' distributor, reserve the right to reject any purchase order for any reason. The funds are not designed to serve as vehicles for frequent trading. Frequent trading of fund shares may lead to increased costs to the funds and less efficient management of the funds' portfolios, potentially resulting in dilution of the value of the shares held by long-term shareholders. Accordingly, purchases, including those that are part of exchange activity, that the Series or American Funds Distributors has determined could involve actual or potential harm to a fund may be rejected.

The Series, through its transfer agent, American Funds Service Company, has agreements with the Series' insurance relationships to maintain its surveillance procedures that are designed to detect frequent trading in fund shares. The agreements generally require the insurance companies to (i) provide, upon request from a fund, the Series or their agent, certain identifying and account information regarding contract owners who invest in fund shares through an insurance company account and (ii) execute instructions from a fund, the Series or their agent to restrict further purchases or exchanges of fund shares by a contract owner who the Series has identified as having engaged in potentially harmful market timing or frequent trading. Under these procedures, various analytics are used to evaluate factors that may be indicative of frequent trading. For example, transactions in fund shares that exceed certain monetary thresholds may be scrutinized. American Funds Service Company may work with the insurance company separate accounts or feeder funds to apply their procedures that American Funds Service Company believes are reasonably designed to enforce the frequent trading policies of the Series. You should refer to disclosures provided by the insurance company with which you have a contract to determine the specific trading restrictions that apply to you.

Under the Series' frequent trading policy, certain trading activity will not be treated as frequent trading, such as:

- retirement plan contributions, loans and distributions (including hardship withdrawals) identified as such on the retirement plan recordkeeper's system;
- purchase transactions involving in-kind transfers of fund shares, if the entity maintaining the contract owner's account is able to identify the transaction as one of these types of transactions; and
- systematic redemptions and purchases if the entity maintaining the contract owner's account is able to identify the transaction as a systematic redemption or purchase.

Generally, purchases and redemptions will not be considered "systematic" unless the transaction is prescheduled for a specific date.

American Funds Service Company will monitor for other types of activity that could potentially be harmful to the Series - for example short-term trading activity in multiple funds. If American Funds Service Company identifies any activity that may constitute frequent trading, it reserves the right to contact the insurance company separate account o 0 0 8.52782m'16.8(y)13.7(t.1(c)113(o)11o)10(n)13(t 4)0(m)15.3

Other compensation to dealers American Funds Distributors, at its expense, provides additional compensation to insurance companies. These payments may be made, at the discretion of American Funds Distributors, to insurance companies (or their affiliates) that have sold shares of the funds of the American Funds Insurance Series and American Funds as the exclusive underlying investments to their variable contracts. A number of factors will be considered in determining payments, including the sales, assets, and the quality of the company's relationship with American Funds Distributors. The payment will be determined using a formula applied consistently to insurance companies based on the relevant facts and circumstances. The level of payments made to a qualifying firm in any given year will vary and (excluding payments for meetings as described below) will represent the sum of (a) up to .14% of the current year's American Funds Insurance Series new deposits in the contracts, (b) up to .07% of the current and previous year's American Funds Insurance Series new deposits in the contracts, and (c) up to .0084% of American Funds Insurance Series assets attributable to the contracts, with an adjustment made for the quality of the company's relationship with American Funds Distributors. Aggregate payments made by American Funds Distributors to insurance companies may also change from year to year. Only assets and deposits in variable annuity contracts that offer exclusively shares of the American Funds Insurance Series and American Funds are included in the formula. Further, assets for which the insurance company, or an affiliated broker-dealer, acts as an ERISA investment fiduciary are generally excluded from the formula.

Fund expenses In periods of market volatility, assets of the funds may decline significantly, causing total annual fund operating expenses (as a percentage of the value of your investment) to become higher than the numbers shown in the Annual Fund Operating Expenses tables in this prospectus.

The "Other expenses" items in the Annual Fund Operating Expenses tables in this prospectus are based on expenses as of each fund's most recently completed fiscal year. These items include third-party expenses, such as custodial, legal, audit, accounting, regulatory reporting and pricing vendor services, and an administrative services fee payable to the Series' investment adviser for administrative services provided by the Series' investment adviser and its affiliates. In addition, the "Other expenses" items for Class 4 shares include fees

Financial highlights

	Net asset value, beginning of year	(Loss) income from investment operations ¹		Dividends and distributions
		Net investment income (loss)	Net (losses) gains on securities (both realized and	
Year ended		(1.8525)	(.8525)	

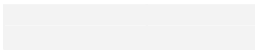
Year ended	Net asset value, beginning of year	(Loss) income from investment operations ¹			Dividends and distributions			Net asset value, end of year	Total return	Net assets, end of year (in millions)	Ratio of expenses to average net assets ³	Ratio of net income to average net assets
		Net investment income	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions					
International Fund												
Class 1:												
12/31/2022	\$22.70	\$.34	\$(4.79)	\$(4.45)	\$(.34)	\$(2.60)	\$(2.94)	\$15.31	(20.57)%	\$3,157	.54 %	1.95 %
12/31/2021	23.64	.38	(.67)	(.29)	(.65)	–	(.65)	22.70	(1.23)	4,747	.55	1.57
12/31/2020	20.86	.14	2.82	2.96	(.18)	–	(.18)	23.64	14.28	5,652	.55	.71
12/31/2019	17.66	.30	3.74	4.04	(.34)	(.50)	(.84)	20.86	23.21	5,353	.54	1.54
12/31/2018	21.71	.34	(2.97)	(2.63)	(.40)	(1.02)	(1.42)	17.66	(12.94)	4,811	.53	1.62
Class 1A:												
12/31/2022	22.61	.30	(4.78)	(4.48)	(.30)	(2.60)	(2.90)	15.23	(20.80)	10	.79	1.73
12/31/2021	23.55	.33	(.67)	(.34)	(.60)	–	(.60)	22.61	(1.47)	12	.80	1.39
12/31/2020	20.80	.08	2.81	2.89	(.14)	–	(.14)	23.55	13.96	10	.80	.43
12/31/2019	17.62	.25	3.72	3.97	(.29)	(.50)	(.79)	20.80	22.90	7	.79	1.27
12/31/2018	21.67	.27	(2.93)	(2.66)	(.37)	(1.02)	(1.39)	17.62	(13.11)	5	.78	1.32
Class 2:												
12/31/2022	22.60	.29	(4.76)	(4.47)	(.30)	(2.60)	(2.90)	15.23	(20.79)	3,164	.79	1.71
12/31/2021	23.54	.33	(.68)	(.35)	(.59)	–	(.59)	22.60	(1.49)	4,190	.80	1.35
12/31/2020	20.78	.09	2.80	2.89	(.13)	–	(.13)	23.54	13.97	4,481	.80	.46
12/31/2019	17.60	.25	3.72	3.97	(.29)	(.50)	(.79)	20.78	22.88	4,311	.79	1.29
12/31/2018	21.63	.29	(2.95)	(2.66)	(.35)	(1.02)	(1.37)	17.60	(13.13)	3,875	.78	1.40
Class 3:												
12/31/2022	22.76	.31	(4.81)	(4.50)	(.31)	(2.60)	(2.91)	15.35	(20.76)	16	.72	1.78
12/31/2021	23.69	.34	(.67)	(.33)	(.60)	–	(.60)	22.76	(1.39)	21	.73	1.41
12/31/2020	20.92	.10	2.81	2.91	(.14)	–	(.14)	23.69	14.00	25	.73	.53
12/31/2019	17.70	.27	3.75	4.02	(.30)	(.50)	(.80)	20.92	23.05	25	.72	1.37
12/31/2018	21.75	.31	(2.98)	(2.67)	(.36)	(1.02)	(1.38)	17.70	(13.10)	24	.71	1.48
Class 4:												
12/31/2022	22.31	.25	(4.71)	(4.46)	(.26)	(2.60)	(2.86)	14.99	(21.02)	373	1.04	1.47
12/31/2021	23.25	.27	(.67)	(.40)	(.54)	–	(.54)	22.31	(1.71)	459	1.05	1.13
12/31/2020	20.54	.04	2.76	2.80	(.09)	–	(.09)	23.25	13.66	423	1.05	.21
12/31/2019	17.40	.20	3.69	3.89	(.25)	(.50)	(.75)	20.54	22.67	379	1.04	1.03
12/31/2018	21.42	.23	(2.93)	(2.70)	(.30)	(1.02)	(1.32)	17.40	(13.41)	295	1.03	1.13

Year ended	Net asset value, beginning of year	(Loss) income from investment operations ¹			Dividends and distributions			Net asset value, end of year	Total return ²	Net assets, end of year (in millions)	Ratio of expenses to average net assets before waivers ³	Ratio of expenses to average net assets after waivers ^{2,3}	Ratio of net income to average net assets ²
		Net investment income	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions						
New World Fund													
Class 1:													
12/31/2022	\$31.83												

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Year ended	Net asset value, beginning of year	(Loss) income from investment operations ¹			Dividends and distributions			Net asset value, end of year	Total return ²	Net assets,
		Net investment	Net (losses) gains on securities (both realized and unrealized)	Total from investment operations	Dividends (from net investment income)	Distributions (from capital gains)	Total dividends and distributions			

Year ended	Net asset value, beginning of year	(Loss) income from investment operations ¹ Net (losses) Net investment income	Dividends and distributions	
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Income (loss) from
investment operations¹

Dividends and distributions

Other fund information Shares of the Series are currently offered to insurance company separate accounts funding both variable annuity contracts and variable life insurance policies. Interests of various contract owners participating in the Series may be in conflict. The board of trustees of the